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U.S.PTO

Express Mail Label No.: EL 992 785 369 US

PATENT

Attorney Docket No.: MSU-08604

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

17497 U.S.PTO
10/751235

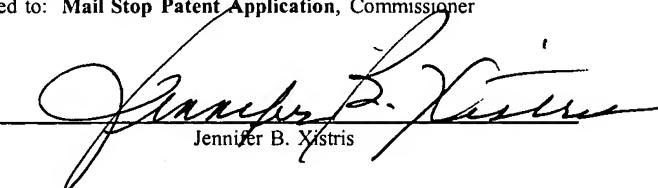
010204

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of Dean DellaPenna, Li Tian and Joonyul Kim for **Novel Carotenoid Hydroxylases for Use in Engineering Carotenoid Metabolism in Plants**.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date, **January 2, 2004**, in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EL 992 785 369 US**, addressed to: **Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**.



Jennifer B. Xistris

1. Type Of Application

This new application is for a(n)
 Original (nonprovisional)

2. Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153
 (Design) Application

104 Pages of Specification
 5 Pages of Claims
 1 Page of Abstract
 42 Sheets of Informal Drawings

3. Declaration

Enclosed
 Unexecuted.

4. Inventorship Statement

The inventorship for all the claims in this application is:

the same

5. Language

English

6. Fee Calculation (37 C.F.R. § 1.16)

Regular application

CLAIMS AS FILED

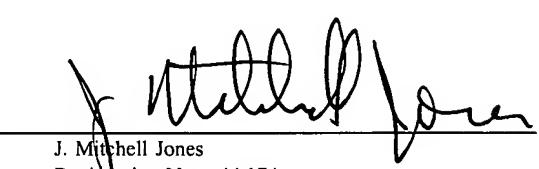
| Number Filed | Number Extra | Rate | Basic Fee - \$770.00 (37 C.F.R. § 1.16(a)) |
|---|--------------|----------------|---|
| Total Claims (37 C.F.R. § 1.16(c)) | 32 - 20 = | 12 × \$18.00 = | \$216.00 |
| Independent Claims (37 C.F.R. § 1.16(b)) | 12 - 3 = | 9 × \$86.00 = | \$774.00 |
| Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d)) | | + \$290.00 = | \$0.00 |
| Filing Fee Calculation | | | \$1,760.00 |

7. **Small Entity Statement(s)** Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27.

Filing Fee Calculation (50% of above) \$880.00

8. **Fee Payment Being Made At This Time** Enclosed basic filing fee

Total Fees Enclosed \$880.00

9. **Method of Payment of Fees** Check in the amount of \$880.0010. **Authorization To Charge Additional Fees and Credit Overpayment** The Commissioner is hereby authorized to charge any deficiency in the payment of the required fees, and/or credit any overpayment, to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.11. **Power of Attorney by Assignee** Enclosed (unexecuted)12. **Return Receipt Postcard** EnclosedDated: January 2, 2004
J. Mitchell Jones
Registration No.: 44,174MEDLEN & CARROLL, LLP
101 Howard Street, Suite 350
San Francisco, California 94105
608/218-6900 Statement Where No Further Pages Added
 This transmittal ends with this page.